

ABSTRACT OF THE DISCLOSURE

A system of data servers, organizing software and applications enable mobile users communicating through advanced wireless handheld devices to access a wide array of information on the Internet and in databases. The system incorporates acceleration and compression techniques, selective caching, and data-mining technology to deliver a variety of data types to the handheld at speeds many times faster (up to 20X) than it would have without the present system. Security measures are implemented at the handhelds and servers, as well as at partner sites to facilitate secure E-Commerce transactions. Direct connections to wireless networks allow a significant portion of the communications to bypass slower wireless modems. The use of high-speed paths through the Internet allow wireless data communications across incompatible wireless standards. A central database expeditiously and in a format targeted to the handheld.

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